

PATENT APPLICATION TRANSMITTAL LETTER

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, DC 20231

GE Case No. 24GA05998-1  
Atty Docket No.  
8564-000045/US/DVA

Express Mail Label No.: N/A

Transmitted herewith for filing under

35 USC 111(a) and 37 CFR 1.53(b) (NEW UTILITY OR DESIGN PATENT APPLICATION)

as a new: ☒ utility or ☐ design patent application

for application entitled: SYSTEM AND METHOD FOR CONTINUOUS OPTIMIZATION OF  
CONTROL-VARIABLES DURING OPERATION OF A NUCLEAR REACTOR

and invented by: WILLIAM E. RUSSELL II; DAVID J. KROPACZEK

Enclosed are:

1. ☒ Specification with 24 total pages having:
  - a. ☒ Claims numbered from 1A to 30
  - b. ☒ Abstract
  - c. ☒ Drawing (s) (35 USC 113) as follows:
    - (1) ☒ Formal ☐ Informal
  - d. ☒ Total sheets - 9 with Figures No. 1 to 7
  - ☒ Oath or Declaration with 1 total pages as follows:
    - (1) ☐ Newly executed and signed ☐ Unsigned
    - (2) ☒ Copy from prior application (37 CFR 1.63d) Serial No. 09/683004  
filed on November 7, 2001
    - (3) ☐ With Power of Attorney ☒ Without Power of Attorney
2. ☐ Assignment (Coversheet and documents)
3. ☒ Preliminary Amendment
4. ☒ Return Receipt Postcard (MPEP 503) (should be specifically itemized)
5. ☐ Application Data Sheet
6. ☒ Information Disclosure Statement
  - ☒ PTO-1449 ☐ Copies of Cited Documents
7. ☐ Certified Copy of Priority Document
8. ☐ Nonpublication Request under 35 USC 122(b)(2)(B)(i) Applicant must attach form  
PTO/5B/35 or its equivalent
9. ☒ Additional Enclosures as follows:
  - a. ☒ Property Rights Statement (copy from prior application)
  - b. ☒ Revocation and Power of Attorney (copy from prior application)

10. If a continuation or divisional application:
  - ☐ continuation ☒ division ☐ continuation-in-part of prior application Serial No.  
09/683,004 filed on: November 7, 2001
  - ☒ Cancel in this application original claims 1-30 of the prior application before  
calculating the filing fee (at least one independent claim must be retained for filing  
purposes)
  - ☒ Amend the specification by inserting before the first line: This application is a  
divisional application Serial No. 09/683,004 filed on November 7, 2001 which is hereby  
incorporated by reference in its entirety.
  - ☒ Prior application information: Examiner Palabrica, Group Art Unit 3641

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application,  
from which an oath or declaration is supplied under Box 1 d (2), is considered a part of the  
disclosure of the accompanying continuation or divisional application and is hereby incorporated by

reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

11. ☒ Filing fee calculated and transmitted:  
a. ☒ utility patent application filing fee as described below for the claims as filed less any canceled above

Large Entity

For	No. Filed	No. Extra	Rate	Fee
Basic				\$ 750.00
Total Claims	11 - 20 =	0	x \$ 18 =	\$ 0.00
Ind. Claims	2 - 3 =	0	x \$ 84 =	\$ 0.00
Mult. Dep. <input type="checkbox"/>	0		+ \$280 =	\$ 0.00
<b>Total Filing Fee</b>				<b>\$ 750.00</b>

- b. ☐ design patent application filing fee of \$330.00  
c. ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 08-0750 as described below. A duplicate copy of this sheet is enclosed.  
(1) Charge the amount of ☐ \$330.00 ☐ \$750.00 ☐ \$  
for the filing fee.  
(2) ☒ Credit any overpayment.  
(3) ☒ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.  
(4) ☐ Charge the Issue Fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).  
d. ☒ A check in the amount of \$750.00 for the filing fee is and recordation fee enclosed.

Date: June 30, 2003

Harness, Dickey & Pierce, P.L.C.

Attorney Name Gary D. Yacura

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12. Correspondence Address

☒ Customer Number or Bar Code label **33727**

Or ☒ Correspondence Address below

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 as Express Mail No. on and is addressed to the Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, DC 20231.

Name

Date

Signature: \_\_\_\_\_